

MISCELLANEOUS SUMMARIES (SHEET 1 OF 2)													STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
													HI	HI SR 200(3)	C14	C15
MISCELLANEOUS SUMMARIES																
Item Number			15705-0100	15705-1400	15706-0200	20101-0000	20302-0700	20302-1200	21101-1000	25101-1000	25101-3000	-	61701-1350	61702-0800	62901-1000	63503-1000
Station			Soil Erosion Control, Silt Fence (linear feet)	Soil Erosion Control, Sediment Log (2 of 2) (linear feet)	Soil Erosion Control, Check Dam (Riprap) (each)	Clearing and Grubbing* (acre)	Removal of Fence (linear feet)	Removal of Guardrail (linear feet)	Roadway Obliteration, Method 1 (square yard)	Placed Riprap, Class 3** (cubic yard)	Class 1	Earthwork Geotextile, Type IV-E (square yard)	Guardrail System G4, Type 2, Class B w/ Steel Posts (linear feet)	Terminal Section Type Tangent (each)	Rolled Erosion Control Product, Type 3.B (square yard)	Temp Traf Control, Plastic Fence (linear feet)
1544+00	to	1567+00		40	84	6.0				2882		7461				1,600
1567+00	to	1589+00			32	6.4			1548	1861		5006				4,400
1589+00	to	1611+00		20	60	4.8			1181	2590		6517				
1611+00	to	1633+00		80	22	4.9			38	219		567				
1633+00	to	1655+00		120	42	4.8			939	1131		2928				
1655+00	to	1677+00		40		5.0			20	0		0				
1677+00	to	1699+00		40		7.7			196	0		0				
1699+00	to	1721+00		60	68	7.8				985		2550				
1721+00	to	1743+00	2,600	60	20	9.9				1622		4107			19,499	
1743+00	to	1765+00	1,900	60	38	8.0				2055		5274			17,398	
1765+00	to	1787+00	3,400	60	8	9.9				913		2250			26,358	
1787+00	to	1809+00	2,300	40	36	11.4				2552		6356			30,123	
1809+00	to	1831+00	4,100	20	6	9.9	613			946		2231	700	4	32,580	
1831+00	to	1853+00	3,100	60	22	10.4	730			664		1798			31,709	
1853+00	to	1861+00	1,700	60		1.6		700		401		1036	650	2	8,714	
SADDLE ROAD CONNECTOR																
0+00	to	4+00				0.8			604							
PUAINAKO STREET CONNECTOR																
0+00	to	4+50	1,220			0.8			3448							
TOTAL			20,320	760	438	110	1,343	700	7,974	18,820		48,078	1,350	6	166,382	6,000

* Clearing and grubbing area does not include the existing paved roadway footprint plus 5 feet on both sides

** Toe of fill slope, retention basins, slope transition, and ditch lining

1848+00

Temporary Gate Installed

FENCE & GATE SUMMARY

Item Number	61902-1400	Item Number	20301-1100	61901-0200
Station	Gate, Metal, 16-ft Width (each)	Station	Removal of Gate (each)	Fence, Woven Wire, 48-inch Height (linear feet)
1786+00 RT	1	1787+00	1	
1787+00 RT	1	1819+00 - Wilder Rd	1	2930 7703
1818+50 RT	1			
1835+50 RT	1	1821+00	1	
1840+50 RT	1	1830+50	1	
TOTAL	3	TOTAL	4	2930 7703

SIGN REMOVAL SUMMARY

Item Number	20301-2400	Item Number	20301-2400
Station	Removal of Signs (each)	Station	Removal of Signs (each)
1518+00 RT	1	1570+25 LT	1
1526+00 RT	1	1574+25 RT	1
1535+00 RT	1	1615+25 LT	1
1544+00 RT	1	1671+75 LT	1
1545+00	2	1860+75 RT	1
1553+50 RT	2	PUAINAKO CONNECTOR	2
1557+50 LT	1		
SUBTOTAL	9	SUBTOTAL	7
TOTAL		16	

BRUCE K. MEYER

Licensed Professional Engineer

No. 8336-C

HAWAII, U.S.A.

This work was prepared by me or under my supervision and construction to this project will be under my observation

Expiry/Date of License

04/30/16

The following quantities are approximate unless noted as a contract quantity. Payment will be made for the actual quantities of work performed and accepted or for materials furnished according to the contract.

TABULATION OF QUANTITIES

C14

M:\proj\Lenniel\Saddle East 11-6\summarles[100% 200(3) sum.xls]MISC (2)

MISCELLANEOUS SUMMARIES (SHEET 2 OF 2)							STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
							HI	HI SR 200(3)	C15	C15
CONSTRUCTION SIGN SUMMARY										
Item Number					63504-1000					
MUTCD ref.	Message	Panel Dimensions (in x in)			Area (square feet)	Quantity	Temporary Traffic Control, Construction Sign (square feet)	Assumptions, Calculations, Locations		
G20-1	Road Work Next 6 Miles	36	x	18	4.50	2	9.00	See detail C635-01		
G20-2	End Road Work	36	x	18	4.50	2	9.00	See detail C635-01		
G20-4	Pilot Car Follow Me	36	x	18	4.50	2	9.00			
R2-1(25/40)	Speed Limit 25/40	24	x	30	5.00	4	20.00	To be installed at MP 11, MP 6, and existing Saddle Rd. connector road		
R4-1	Do Not Pass	24	x	30	5.00	4	20.00	Need 2 for detail C635-03 and 2 for detail C635-11 or C635-12		
R11-2	Road Closed	48	x	30	10.00	4	40.00	Assumes two locations in a Segment will use detail C635-04		
W1-3	Reverse Curve	36	x	36	9.00	8	72.00	Assumes two locations in a Segment will use detail C635-04		
W1-6	One Direction Large Arrow	48	x	24	8.00	4	32.00	Assumes two locations in a Segment will use detail C635-04		
W3-4	Be Prepared to Stop	36	x	36	9.00	4	36.00	Assumes two locations in a Segment will use detail C635-05		
W3-5	Reduced Speed Limit Ahead	36	x	36	9.00	4	36.00	To be installed at MP 11, MP 6, and existing Saddle Rd. connector road		
W5-1	Road Narrows	36	x	36	9.00	2	18.00	Need 2 for detail C635-11 or C635-12		
W8-1	Bump	30	x	30	6.25	4	25.00	Assumes two "Pavement Ends" sections in a Segment		
W8-3	Pavement Ends	30	x	30	6.25	4	25.00	Assumes two "Pavement Ends" sections in a Segment		
W8-6	Trucks Crossing	30	x	30	6.25	4	25.00			
W8-7	Loose Gravel	30	x	30	6.25	4	25.00	Assumes two "Pavement Ends" sections in a Segment		
W8-12	No Center Stripe	36	x	36	9.00	4	36.00	Assumes two "Pavement Ends" sections in a Segment; need 2 for each section per detail C635-		
W13-1	45/35 MPH	24	x	24	4.00	13	52.00	Need 8 for the assumed two locations using detail C635-04, 2 for C635-06, 1 for C635-10, and 2		
W14-3	No Passing Zone	pennant			6.00	1	6.00	Assume 1 for detail C635-11 or C635-12		
W16-2	XX FT	24	x	18	3.00	8	24.00	Need 4 for the assumed two locations using detail C635-05, 2 for C635-06, 1 for C635-10, and 1		
W20-1	Road Work Ahead	36	x	36	9.00	2	18.00	See detail C635-01		
W20-1	Road Work 1000 FT	36	x	36	9.00	2	18.00	See detail C635-01		
W20-1	Road Work 500 FT	36	x	36	9.00	2	18.00	See detail C635-01		
W20-4	One Lane Road Ahead	36	x	36	9.00	2	18.00	Need 2 for detail C635-06		
W20-7	Flagger Symbol	36	x	36	9.00	6	54.00	Need 4 for the assumed two locations using detail C635-05, 2 for C635-06		
W21-1a	Worker Symbol	36	x	36	9.00	1	9.00	Need 1 for detail C635-10		
W21-2	Fresh Oil	30	x	30	6.25	2	12.50			
W21-3	Road Machinery Ahead	36	x	36	9.00	2	18.00			
W21-5	Shoulder Work	36	x	36	9.00	1	9.00	Need 1 for detail C635-10		
W22-1	Blasting Zone Ahead	48	x	48	16.00	2	32.00			
W22-2	Turn off Radio and Cell Phone	42	x	36	10.50	2	21.00			
W22-3	End Blasting Zone	42	x	36	10.50	2	21.00			
Spec.	Portable Changeable Message Signs				-	-	-	63502-2000 (EACH) installed at MP 11, MP 6, and existing Saddle Rd. connector (3 signs)		
Spec.	PROJECT SIGN	120	x	54	45.00	3	135.00	To be installed at Saddle Road/HWY 190 junction, MP 5.5, and Kaumana Dr/Puainako St.		
SUBTOTAL						111	903			
*TOTAL							1038			
*Plus 15% to be used at discretion of CO										
The following quantities are approximate unless noted as a contract quantity. Payment will be made for the actual quantities of work performed and accepted or for materials furnished according to the contract.								TABULATION OF QUANTITIES		
								BRUCE K. MEYERS Licensed Professional Engineer No.8336-C HAWAII, U.S.A. This work was prepared by me or under my supervision and construction to this project will be under my observation Expiration Date of License 04/30/16		